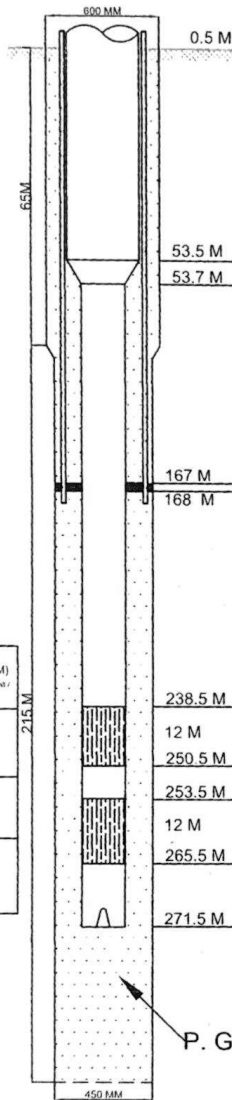


## COMPLETION PLAN OF TUBEWELL

**Name of work** :- Construction of T. W. of G.P. Moosepur, Block-Dhaurahara,  
 District, Lakhimpur Kheri.  
**Name of Program** :- J. J. M-2  
**Name of client** :- S.W.S.M. & U.P. JAL NIGAM ( R )  
**Name of Contractor** :- M/S NCC Limited  
**Name of TPI** :- Ceinsys Tech Limited  
**Contract Agreement** :- 64/ED/2020-21 Dated on 12.03.2021  
**Cover Agreement** :- 245/ED/2021-22/IV Dt. 20 January, 2022  
**Lowered Assembly Chart of T. W of Moosepur G.P W/S Scheme District :- Lakhimpur Kheri.**

### Strata

0-5 M, Surface Clay
5-12 M, Clay
12-42 M, Fine Sand
42-50 M, Kankar With Sand
50-84 M, Medium Sand
84-92 M, Kankar
92-127 M, Medium Sand
127-133 M, Clay Kankar
133-165 M, Medium Sand
165-174 M, Clay Kankar
174-196 M, Medium Sand
196-214 M, Clay Kankar
214-224 M, Medium Sand & Kankar
224-238 M, Clay Kankar
238-266 M, Medium Sand & Kankar
266-280 M, Clay Kankar



ABSTRACT	
1	Type of Rig Machine :- DC/RC
2	Static Water level :-
3	Required Discharge :- 700 LPM
4	Bore Size (MM) :- 600x450
5	Assembly Size (MM) :- 300 x 150
6	Drilling Starting Date :- 20.11.2023
7	Drilling Completion Date :- 24.11.2023
8	Total Depth Of Drilling :- 280 M
9	Logging Date :- 25.11.2023
10	Logging Depth :- 265 M

### Logging Report

Sl.No	Depth (mbgl)	Thickness (m)	Remarks
1	50-84	34	Fine to Medium Sand (Good All)
2	92-127	35	
3	133-165	77	
4	174-196	22	
5	214-224	10	
6	238-266	28	

Sr. No	Description	Zone-1 (238-266 M) Acceptable Limit / Test result	Zone-2 (214-224 M) Acceptable Limit / Test result	Zone-3 (174-196 M) Acceptable Limit / Test result
1	Fluoride (as F)*	1.00 / 0.492	1.00 / 0.532	1.00 / 0.562
2	Iron (As Fe)*	1.00 / 0.850	1.00 / 1.230	1.00 / 1.320
3	Total Arsenic (As As)	0.01 / 0.008	0.01 / 0.012	0.01 / 0.016

### 11. Details of Lowered Assembly

i) 300 mm Dia Housing Pipe :- 54.00 Meter
ii) 150 mm Dia M. S. Slotted pipe :- 24.00 Meter
iii) 150 mm Dia M. S. Plain pipe :- 193.80 Meter
iv) 300 x 150 mm Dia M S Reducer :- 0.20 Meter
Total :- 272.00 Meter
AGI :- 00.50 Meter
BGL :- 271.50 Meter
12. 90mm dia uPVC :- 169.5x2=339 Meter
13. Date of Lowering :- 03.12.2023

Recommended & Prepared by

Verified by

Recommended by

Approved by

M/S. NCC Ltd.

M/S. Ceinsys Tech Ltd.

J.E.  
 Division Office (E/M)  
 UP Jal Nigam (R)  
 Lucknow

A.E.  
 Division Office (E/M)  
 UP Jal Nigam (R)  
 Lucknow

E.E.  
 Division Office (E/M) UP Jal  
 Nigam (R) Lucknow

# REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- MOSEPUR, BLOCK- DHAUREHRA, DISTT- LAKHIMPUR KHIRI  
UNDER  
JAL JIVAN MISSION

## Introduction :

A Deep bore hole was drilled 280 mtrs. depth. and Logged depth 275 mtrs. at above site. Was drilled by M/s NCC, Lakhimpur Khiri.

On the request of M/s NCC, Lakhimpur Khiri. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 25.Nov.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

Mud Resistivity = 25.69 Ohms.

Drilling Water Resistivity = 26.07 Ohms.

Approx Water Level = 3 Mtr.

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay	
3.	12 - 42	30	Fine sand	
4.	42 - 50	8	Kankar with sand	
5.	50 - 84*	34	Medium sand	Good
6.	84 - 92	8	Kankar	
7.	92 - 127*	35	Medium sand	Good
8.	127 - 133	6	Clay kankar	
9.	133 - 165*	77	Medium sand	Good
10.	165 - 174	9	Clay kankar	
11.	174 - 196*	22	Medium sand	Good
12.	196 - 214	18	Clay kankar	
13.	214 - 224*	10	Medium sand & kankar	Good
14.	224 - 238	14	Clay kankar	
15.	238 - 266*	28	Medium sand & kankar	Good
16.	266 - 275	9	Clay kankar	

Ground Water Survey Consultancy

